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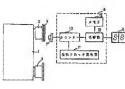
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(54) RESIDUAL QUANTITY OF CARTRIDGE RIBBON INDICATOR FOR COLOR VIDEO PRINTER



(57) Abstract:

PURPOSE: To obtain a residual quantity of cartridge ribbon indicator in which a user can be notified the number of printable sheets by providing means for determining the current number of remaining sheets by comparing a detected rotational period of reel with a reference period stored in a memory, and means for indicating the residual quantity of ribbon. CONSTITUTION: When the speed of a winding reel 2 is detected, a photosensor 7 receives a scanning light beam reflected intermittently from a reflector where reflecting faces 6 and nonreflecting face 5 are combined alternately while being split at a constant angular interval. The received scanning light beam is converted into an electric pulse signal and transmitted to a counter 10 in a microcumputer 8. The counter 10 counts the reference clock from a reference clock generator 11 along with the pulse signal from the



photosensor 7 and latches the number of clocks when the number of reel pulse signal reaches a predetermined count. The latched number of clocks represents the rotational period of the reel 2. Subsequently, the microcumputer 8 compares the detected rotational speed of the reel 2 with a stored reference and calculates the residual quantity of ribbon which is indicated by means of a 7-segment element 9.